| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|---|---|---|---|---|---|---|---|---|---|
| 1 | BRS | L1 | 2459 | ganglioside$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2001/10/20 17:18 | | | 0 |
| 2 | BRS | L2 | 5111 | klh or (keyhole adj1 limpet adj1 hemocyanin) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2001/10/20 17:19 | | | 0 |
| 3 | BRS | L3 | 20 | 1 same 2 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2001/10/20 17:20 | | | 0 |
| 4 | BRS | L4 | 5869 | saponin or qs-21 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2001/10/20 17:21 | | | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|---|---|---|---|---|---|---|---|---|---|
| 5 | BRS | L5 | 3 | 3 same 4 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2001/10/20 17:21 | | | 0 |
| 6 | BRS | L6 | 59280 | cancer or tumor or tumour or malignan$4 or neoplas$3 | USPAT | 2001/10/20 17:25 | | | 0 |
| 7 | BRS | L7 | 5 | 1 same 2 same 6 | USPAT | 2001/10/20 17:28 | | | 0 |
| 8 | BRS | L8 | 644 | gm2 or gd2 | USPAT | 2001/10/20 17:28 | | | 0 |
| 9 | BRS | L9 | 109 | 8 same (2 or 6) | USPAT | 2001/10/20 17:28 | | | 0 |
| 10 | BRS | L10 | 8 | 8 same (2 and 6) | USPAT | 2001/10/20 17:28 | | | 0 |

LE 'HOME' ENTERED AT 17:16:05 ON 20 OCT 2001)

FILE 'MEDLINE, EMBASE, BIOSIS, CAPLUS, CANCERLIT, SCISEARCH, TOXLINE'
ENTERED AT 17:16:23 ON 20 OCT 2001

| | | | |
|---|---|---|---|
| L1 | 54226 | S | GANGLIOSIDE# |
| L2 | 13625 | S | KLH OR KEYHOLE LIMPET HEMOCYANIN |
| L3 | 156 | S | L1 (30A) L2 |
| L4 | 48 | DUP REM | L3 (108 DUPLICATES REMOVED) |
| L5 | 25 | S | L4 (30A)(SAPONIN OR QS-21) |
| L6 | 5909180 | S | CANCER OR TUMOR OR TUMOUR OR MALIGNAN#### OR NEOPLAS### |
| L7 | 49 | S | L1 (30A) L2 (30A) L6 |
| L8 | 17 | DUP REM | L7 (32 DUPLICATES REMOVED) |
| L9 | 11 | S | L8 NOT L5 |
| L10 | 10385 | S | GM2 OR GD2 |
| L11 | 114 | S | L10 (30A) L2 |
| L12 | 48 | DUP REM | L11 (66 DUPLICATES REMOVED) |
| L13 | 28 | S | L12 NOT (L8 OR L5) |

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? ds

Set      Items   Description
S1          93   (GANGLIOSIDE? OR CERAMIDE?) AND (OZONE OR OZONOLYSIS OR O3)
S2          52   RD S1 (unique items)
S3        2159   AU="LIVINGSTON P O" OR AU="LIVINGSTON P.O."
S4           0   S E3-E6
S5         107   E3-E6
S6         288   S3 OR S5
S7          17   S6 AND (GANGLIOSIDE? OR CERAMIDE?)
S8           7   RD S7 (unique items)
? t s8/7/all
```

2/7/33 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE


00309281 EMBASE No: 1975081610
Glycosphingolipids covalently linked to agarose gel or glass beads. Use of the compounds for purification of antibodies directed against globoside and hematoside
Laine R.A.; Yogeeswaran G.; Hakomori S.
Dept. Pathobiol., Univ. Washington, Seattle, Wash. 98195 United States
Journal of Biological Chemistry ( J. BIOL. CHEM. ) 1974, 249/14 (4460-4466)

CODEN: JBCHA
DOCUMENT TYPE: Journal
LANGUAGE: ENGLISH

Oxidative ozonolysis of the olefinic bond of the sphingosine moiety of either globoside or of the methyl ester of hematoside, and coupling of the carboxyl bearing product to aminoethylagarose or to amino group bearing glass beads in the presence of a carbodiimide resulted in globoside or hematoside covalently linked to agarose or glass beads. These compounds were used for purification of anti glycosphingolipid antibodies from serum of immunized rabbits. The antibodies bound to the substrate were released by 1 M sodium iodide and their immunological properties were studied. Anti globoside is directed toward the terminal beta (N acetyl) galactosaminosyl(1<rt arrow>3)alpha galactopyranosyl structure, while anti hematoside is directed predominantly toward the sialosyl residue of hematoside.

2/7/22 (Item 22 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)


02091361 BIOSIS NO.: 000063006348
CHEMICAL AND HEMOLYTIC PROPERTIES OF SPHINGO LIPIDS MODIFIED BY OZONOLYSIS
AND REDUCTION

AUTHOR: UEMURA K; HARA A; TAKETOMI T

JOURNAL: J BIOCHEM (TOKYO) 79 (6). 1976 1253-1261.
FULL JOURNAL NAME: Journal of Biochemistry (Tokyo)
CODEN: JOBIA
RECORD TYPE: Abstract

ABSTRACT: Various sphingolipids were chemically modified in their sphingosine base by ozonolysis and reduction. The derivatives obtained from Forssman globoside and globoside I [from caprine and porcine erythrocyte stroma, respectively], galactosyl ceramide [human brain] and sphingomyelin [sheep red cell stroma] were purified and all were found to be hemolytic. The presence of cholesterol could inhibit this activity. The simultaneous cleavage at a double bond in the fatty acid as well as in the sphingosine of Forssman globoside resulted in the formation of a more polar compound with no detectable hemolytic activity. The haptenic reactivity was retained after ozonolysis and reduction of Forssman globoside, as shown by precipitin line formation in agar gel with appropriate antibodies. The results indicate that this modification procedure may be useful in studies of the physiological and immunological properties of sphingolipids.